

*JPW*



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Number : 10/714,867 Confirmation No.: 3126  
Applicant : Patrick DUVAUT et al.  
Filed : November 18, 2003  
Title : SMART DSL SYSTEMS FOR LDSL  
TC/Art Unit : 2185  
Examiner: : Unassigned  
  
Docket No. : 56162.000473  
Customer No. : 21967

**Mail Stop Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, and in compliance with the duty of disclosure set forth in 37 C.F.R. § 1.56, applicants are submitting herewith copies of the references listed on the attached Form PTO-SB/08A (modified) for consideration and to be made of record herein by the U.S. Patent and Trademark Office in the above-captioned application.

The attached documents were cited by the European Patent Office in the International Search Report dated May 21, 2004 of the corresponding application and relevance as asserted by the Searching Authority is indicated on the enclosed copy of the Search Report.

Consideration of the foregoing plus the prompt return of a copy of the enclosed Form SB/08A with the Examiner's initials in the left column in accordance with MPEP 609 are respectfully requested.


In accordance with 37 C.F.R. § 1.97(b), this Information Disclosure Statement is believed to be submitted prior to issuance of a first Office. Therefore, it is respectfully submitted that no fee is required for consideration of this information. However, in the event any fee is deemed necessary, the Commissioner is authorized to charge the undersigned's Deposit Account No. 50-0206.

Respectfully submitted,

HUNTON & WILLIAMS LLP

Dated: August 23, 2004

By:

  
\_\_\_\_\_  
Christopher J. Cuneo  
Registration No. 42,450

Hunton & Williams LLP  
Intellectual Property Department  
1900 K Street, N.W.  
Suite 1200  
Washington, DC 20006  
(202) 955-1500 (telephone)  
(202) 778-2201 (facsimile)

CJC/sdw



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Application Number	10/714,867
Filing Date	November 18, 2003
First Named Inventor	Patrick DUVAUT et al.
Art Unit	2185
Examiner Name	Unassigned

Sheet	1	of	1	Attorney Docket Number	56162.000473
-------	---	----	---	------------------------	--------------

**U.S. PATENT DOCUMENTS**

*Examiner Initials	Cite No.	DOCUMENT NUMBER Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US 6333920	12-25-2001	Nguyen et al.	

**FOREIGN PATENT DOCUMENTS**

*Examiner Initial	Cite No.	FOREIGN PATENT DOCUMENT		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	TRANSLATION	
		Country Code:	Number - Kind Code (if known)				YES	NO

**NON-PATENT LITERATURE DOCUMENTS**

*Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	TRANSLATION	
			YES	NO
	2.	International Search Report dated 5/21/04 for Application No. PCT/US03/36843		
	3.	KEE BONG SONG et al., Dynamic spectrum management for next-generation dsl systems, Topics in Broadband Access, IEEE Communications Magazine, October 2002, pp. 101-109		
	4.	FENG OUYANG et al., The first step of long-reach adsl: smart dsl technology, readsl, Topics in Broadband Access, IEEE Communications Magazine, September 2003, pp. 124-131		

EXAMINER SIGNATURE

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.